Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/22/2018 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125216	0	2.43	125221	2.48
Blue	F	SSC	125000	124460	-1	1.79	125148	1.76
Blue	E	FITC	15760	15340	-3	3.02	332	22.71
Blue	D	PE	25880	25263	-3	2.02	548	17.58
Blue	B	PerCP-Cy5-5	34075	33995	-1	4.29	1036	23.66
Blue	A	PE-Cy7	22776	22712	-1	7.57	544	46.21
Red	C	APC	42488	41515	-3	2.81	1561	13.79
Red	A	APC-Cy7	24478	24072	-2	2.97	824	13.16
Violet	B	V450	6304	6141	-3	4.22	342	18.12
Violet	A	V500	26005	24929	-5	3.68	585	13.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20844	11.12	612	15	N/A	N/A	Pass
Blue	F	SSC	56393	1.19	582	27	N/A	N/A	Pass
Blue	E	FITC	59	74.13	565	9	0.0153	193	Pass
Blue	D	PE	113	61.16	559	10	0.1156	296	Pass
Blue	B	PerCP-Cy5-5	196	56.53	660	13	0.0067	41	Pass
Blue	A	PE-Cy7	104	118.21	713	16	0.0089	34	Pass
Red	C	APC	366	28.68	603	3	0.0183	84	Pass
Red	A	APC-Cy7	201	29.12	575	4	0.0046	1000	Pass
Violet	B	V450	55	84.35	501	12	0.0273	2606	Pass
Violet	A	V500	87	43.51	517	11	0.0115	636	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.25	-30.74	0.95
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.01	13.60 - 20.40	N/A	N/A	30.48	31.13	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13120

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments